



FFKM 3404 70

Perfluoro elastomer

Standard Colour: **White**

Service temperature: -10°C to +230°C continuous
260°C /1000 hrs

Outstanding resistance to aggressive media. Developed for food and pharmaceutical processing, automated CIP and SIP systems.

In accordance with USP Class VI and FDA 21 CFR 177.2600 requirements. CE 1935/2004 approval in progress.

Physical properties	Unit	Test method	Test result
Hardness Shore A	Shore A	ISO 868	72
Tensile strength	N/mm ²	ISO 37	13.8
Elongation	%	ISO 37	178
Specific gravity	g/cm ³	ISO 2781	2.4
Modulus 100%	MPa	ISO 37	7.2
Low temperature flexibility			
TR-10°C		ASTM D1329	-2

Changes to properties after ageing acc. To ASTM D471 and ASTM D573

Test parameter medium	Hardness %	Tensile strength %	Elongation %	Volume %
Air				
70hrs at 225°C	+1	-5	+14	
Steam immersion				
168 hrs at 204°C	+3	-25	+17	+1
Hydrochloric acid 37%				
72hrs at 80°C	-2	+3	+8	+0.6
Sodium Hydroxide 40%				
72hrs at 100°C	0	+10	+4	+0.6

Fluid Resistance overview	Unit	Media	Result
Volume Change	%	Acids	<10
Volume Change	%	Ketones	<10
Volume Change	%	Esters	<10
Volume Change	%	Alkalis	<10

The results displayed in this data sheet were obtained on standard test specimens following standard test procedures. Comparisons with results obtained on finished products, e.g. O-Rings, could lead to other results due to differences in geometry and manufacturing processes. These other results do therefore not automatically contravene the data of this sheet. The evaluation of parts prior to their use in order to ensure their suitability for the intended application is subject to the end user's responsibility.